and the transformation and the first transformation and MINING, BUSINESS AND STOCKS.

BIG BUSINESS WAS RECORDED.

Mining Market Activity Results in Large Weekly Totals.

CONDITIONS ARE BULLISH.

Many Stocks Participate With Demand Greatest for the Better Class -Week's Business.

A very good week's business on the mining exchange was concluded with the session this morning which resulted in sales involving 24,600 shares for \$31,-840 being recorded. During the week many stocks have been more or less active with the demand greatest for the better class of stocks. Prices generally have been firm and with few exceptions have obtained at figures higher than were recorded at the close last Saturday. While the bulk of the business during the week was undoubtedly for professional account a better tone was evident and conditions have a de-

The principal traders were Daly-West, Daly-Judge, Consolidated Mer-cur, Wabash, May Day and Califor-nia, while Albion, Ajax, Carlsa, Eagle & Blue Bell, Grand Central, Mammoth and others participated.

Daly-West was the largest trader and furnished most of the excitement on furnished most of the excitement on account of the awful accident in the Park City mines. From \$54 the stock dropped to \$48 on news of the horror but today a recovery to \$52.40 was recorded at the close.

Daly-Judge, which last week traded at \$7 and \$8, closes the week at figures above \$11 or with a total valuation of more than \$3,300,000, which, in not a few quarters is considered ridiculously

few quarters is considered ridiculously

Eagle and Blue Bell on news that a deal will probably be made for the mine on a basis of \$2.50 a share, payments to extend over a considerable time sold at figures considerably above \$1.20 and closed today at that figure asked for

California was very active in conse quence of the resumption of operations at the mines but in view of approaching assessments closes considerably off

from the high mark of the week.

May Day and Wabash were very firm and higher this week in consequence of reports to the effect that indications at both mines are of a most favorable

Uncle Sam held firm under threats of an assessment, while Ben Butler and Century each advanced some and closed very strong. This morning's session of the exchange closed with the fol-lowing quotations and transactions re-

corded:	ransac	LIOIL
LISTED STO	CKS.	
Stocks.	Bid.	As
Ajax	30	
Albion Anchor Builton Beck	3 00 1 50	

Stocks.	Bid.	Aske
Ajax	30	31
Albion		50
Anchor	3 00	
Bullion Beck		
Carisa	2614	261
Congor	071/2	207
Con. Mercur	2 00	2 021
Creals	2.00	1 00
Creole	1 90	2 00
Daly-West	52 30	52 60
Eagle and Blue Bell	1 10	1 20
Calera	12	183
Galena	3 90	4 15
Tions Contrai	1 00	4 10
Horn Silver		07
Ingot	051/2	
Lower Mammoth	99	1 00
Mammoth	1 2314	1 25
May Day	1916	20
Northern Light	05%	053
Ontario	7 80	9 25
Petro	06	10
Rocco Homestake		80
Sacramento	31 %	321
Sunshine	21	
Silver Shield	0634	067
Star Con	1614	173
Swansea	75	1 00
South Swansea		241
U. S. Con		253
Titah	40	
Valeo	1334	147
UNLISTED ST	rocks.	
Stocks.	Bid.	Aske

Ben Butler ** *** California Century Golden Eagle Golconda Joe Bowers Tetro West Morning Glory .. Yankee Con 1 20

SALES.

Ajax-500 at 301/2 Carisa-500 at 26%. Daly-West-100 at 51.50; 50 at 51.75; 50 at 52.25; 70 at 52.30; 5 at 52.40. To-tal, 250.

Lower Mammoth-100 at , 100, Mammoth-100 at 1.231/4; 100 at 1.221/2. May Day-1,500 at 1914; 1,500 at 1944; 500 at 19%, seller 30; 500 at 19%, seller 60; 500 at 20, seller 30; 1,000 at 20. Total,

Northern Light-1,000 at 5% South Swansea-500 at 24%; 1,000 at 24%. Total, 1,500.

Sunshine—500 at 21. Uncle Sam—1,500 at 25½, California—500 at 17¾; 5,100 at 18; 500 at 18¼; 1,000 at 18¼. Total, 7,100, Century-100 at 38; 100 at 3816. Total,

OPEN BOARD.

100 Con. Mercur at 1.98%, seller 20. 100 Daly-West at 52.30. 100 Daly-Judge at 11.11.

300 Daly-Judge at 11.17½. 100 Daly Judge at 11.20. 500 May Day at 19½. 1.000 Northern Light at 5¼. 700 Northern Light at 32.

500 California at 184. 500 California at 18%. 100 Century at 381 200 Century at 2814. 200 Wabash at 1.4814.

500 Wabash at 1.49. 100 Wabash at 1.50 500 Wabash at 1.471/2.

TOTALS.

Regular call, 18.850 shares \$16.454,50. Open board, 5,750 shares, \$15,385.87.

N. A. Page, Stock Broker. Loans money on stocks at bank rates. Room 26, Walker Bank building.

Jack's Outline of Mining Laws, and \$1.00, at A. R. Derge & Co.'s.

INEILL DE LAMAR MINES REPORT

Ore Reserves Estimated to Contain Over \$2,790,000.

MUCH PLEASED IN NEW YORK

Increase of Facilities at, De Lamar Will Enable Bamberger Syndicate To Net \$75,000 Monthly.

The stockholders of the April Fool Mining company will meet today and ratify the action of the directors of the company in selling the entire property at De Lamar to the Bamberger syndicate for \$200,000. With this ac tion the formal completion of the big consolidation scheme will have been carried successfullly, and the energies of the promoters of the big \$5,000,000 company will be directed to opening up the properties and turning out its

riches. In connection with the De Lamar deal was a letter received yesterday by a prominent local mining man from an associate with the Bambergers in the enterprise.

The letter states that James W Neill's writen report on the De Lamar properties had been received in New York and that the gentlemen who had the pleasure of seeing it were more than delighted and stated that it was the most complete and handsomest report being considered by several people a the pleasure of seeing it were more than ever submitted to them.

Continuing the writer stated that Mr. Neill estimates the net ore reserves in all the properties to be worth no less than \$2,790,000, while with the lmprovements in equipment suggested this may be extracted at the rate of \$125,000 monthly at a net profit of \$75,-

The report was accorded much at-tention and very much delighted those

PARK CITY ZINC PLANT. Manager Dickerman Rushing Ma-

chinery for the New Mill.

E. L. Dickerman of the Park City ine plant left this morning for the scene of operations. The new plant is being rushed to completion and all the machinery is now en route from the manufacturers.

The company has a year's contract or the Anchor zinc ores, which will yield nearly \$20 a ton net in values. Mr. Dickerson expects to have his plant completed within a few weeks.

DALY-WEST SHIPMENTS.

Ore Coming from Quincy While

Tunnel is Being Cleaned. Director W. H. Dickson of the Daly-West spent yesterday in Park City. He states that the work of cleaning out the tunnel will be under way to-day and that within three or four days usual. In the meantime some high grade ore is coming from the Quincy shaft.

SACRAMENTO MILL STARTED. First Shipment of Cyanides Ex-

pected in Two Weeks. Manager Glen R. Bothwell of the Sacramento stated this morning that the new mill is now in operation.
About 100 tons of ore daily will be treated and it is expected that a ship ment of cyanides will be forwarded in about two weeks.

STOCKTON MEETING TODAY. Stockholders of the Company Meet In Annual Session.

The Stockton Gold Mining company is today holding its annual stockholders' meeting in this city. Manager Trenam refused to state what matters

The Stockton mines of the com pany have been vigorously and systematically opened up during the past year and it is stated look most encouraging. At the same time the company has paid quite \$10,000 on the purchase of

BIG SUNSHINE STRIKE

Manager Moore Elated Over Latest Developments.

Manager George Moore, of the Sunshine, returned from the mine last vening much delighted with recent de velopments in the property.

He reports that in a 60-foot upraise

from the incline tunnel an immense body of ore averaging over \$4.50 in gold values has been opened into. The extent of the ore body has not yet been Mr. Moore states that the mill is ow treating no less than 140 tons of

ore daily. EAGLE AND BLUE BELL SALE. Stockholders Meeting Called for

August 18th. The stockholders of the Eagle and Blue Beil Mining company will, on Aug. 18, have a proposition submitted to them to sell their property on a basis of \$2.50 a share, the same to be paid in four installments, extending ver a period of 18 months. Col. Heffren, of the purchasing crowd, stated this morning that the identity of the interests in with him will not be announced prior to the Eagle and Blue Bell stockholders' meeting.

UTAH ORE SHIPMENTS.

Park City Output Small - Bingham And Tintic Good.

Ore shipments from the various camps to the smelters in this valley were only fair this week. The Park City output was unusually small on account of the Daly-West accident, while from Tintle an increased amount over last week was reported. Bingham shipments were about the usua size and from Stockton a considerable amount of concentrates came from the Ophir Hill. Two cars of ore from Alta, two from Fish Springs and eight from Tonopah were reported.

Ore and Bullion, Ore and bullion settlements in this city during the past week as ren by McCornick & Co., amounted to \$312,- | form at any price.

week previous. Settlements in this city yesterday amounted to \$62,300.

MINING NOTES.

Manager J. E. Bamberger of the Daly-West will return home on Mon-

lay from New York. Senator Clark's Ophir Hill property Is making a great shipping record and has no fewer than 20 cars of concen-trates on today's market.

the stock of the Highland Boy Consol-idated company, amounting to \$10,000, will be delinquent August 9.

The local representative of the Tonepah company will today market two more cars of ore carrying nearly \$220 to the ton in values.

J. B. Flemming, the expert mill con-structor, is down from Park City and eports work on the new Mackintosh

sampler to be progressing nicely. At the Taylor and Brunton offices the sampling of 20 tons of concentrates from Ophir canyon and two cars of from Tonopah was reported this

ton and De Lamar mining company to the Bamberger Syndicate was yesterday formally ratified by a large majority of the company's stockholders.

Supt. W. H. Nutting of the Bingham Consolidated smelter was a visitor in the city yesterday and stated that the oundation for the new 200 foot converter stack has been laid and that two of the furnaces are steadily operating with a third ready to be put in commission whenever needed.

Dr. P. A. H. Franklin of the Yankee s scheduled to return from the east some time next week and on August the stockholders of the Yankee will hold their annual meeting. It is ex-pected that important developments will be announced after the stock-

Manager P. T. Farnsworth of the Horn Silver states that no more ship-ments will be forwarded from that ed banks shows: property until more satisfactory smelling charges may be obtained. He state

Н			Annual Burns		-
	*		- -		-
	1	C-14	Laka	Rank	Clearings

	Sait	LdNe	Dank	U	earings
			1902.		1901.
t	July	14 \$	651,843.82	\$	995,591.18
F	July	15	580,327.64		873,991.23
	July	16	668,980.34		731,713.12
ŀ	July	17	531,171,92		648,351.68
Ï	July	18	658,730.27		576,090.99
	July	19	496, 457.89	Ŀ	487,849.47
1	Tota	1\$3,	587,511.88	4	,313,587.67

Decrease, \$726,075,79,

MANAGE MA BUSINESS NOTES.

There are but few changes in the list of commercial stocks to record since week. Brokers report that the main activity has been in Utah Sugar, several blocks of which have changed hands at \$16.25. Deseret National and Z. C. M. I. have both advanced a notch as will be seen by the list below. Several deals in Amalgamated sugar preferred have taken place at \$100; no quotations of common stock seem to be

	obtainable. Following are the quotations.	late
	Deseret National Bank	\$284
	Z. C. M. I	
Ų.	Home Fire Insurance Co	138
	Utah Sugar Co	16
	State Bank of Utah	
	Deseret Savings Bank	215
	Commercial National Bank	100
	Zion's Savings Bank & Trust Co.	132
	Provo Commercial & Sav. Bank.	125
	Lehi Com. & Savings Bank	100
	Thatcher Bros. B'k'g Co., Logan.	115
	First National Bank, Ogden	230
	Rocky M't'n Bell Tel. Co	101
	Davis Co., Bank, Farmington	100
	Barnes Banking Co., Kaysville	210
	Ogden Savings Bank	140
	Consolidated Wagon & Mach. Co.	101
	Greely Sugar Co.	125
	Amalgamated Sugar Co	100

Amalgamated Sugar Co...... 100.00 Provo Woolen Mills Co........... 60.00 BONDS. Church Bonds . Consolidated Ry. & Power Co..... 101 Sumpter Valley 1011/2

George Austin, agricultural superin-tendent of the Utah Sugar company, came down-from the Bear River country this morning. He states that the showing of beets made in the new district surnasses all expectations, both as to quantity and quality, and he thinks will be something of a problem to immense tonnage transported

There is a steadily increasing demand for mutton on account of the scarcity of beef and nork, and mutton prices are on the unward tendency. are eating more mutton now than ever before.

A prominent local building contractor says he has all the men he wants, both union and non-union, and alaims that the activitien about strikes in the public prints has greatly retarded building controlled in the building to the building that the strikes in the public prints has greatly retarded building the strikes in the public prints. operations in this city.

The new north wing of the Z. C. M. is ready for the roof. Work is being actively pushed there.

Architect W. E. Ware has been given the contract plans for a \$15,000 office and business block of brick and stone in Pocatello next to the Auditorium, the investors being Mesers, Brown & Johnson, The county of the property Johnson. The second floor will be used as a public hall and the ground floor for business purposes,

NEW YORK METAL PRICES !

Copper, 11.75@41.85. Lead, 4.12%.

NEW CATALOGUE OF CHURCH WORKS Just issued. Send to Cannon Book

Store, (Deseret News, Props.), 11 and 13 Main Street, Salt Lake City, Utah, for a free copy. Special terms to dealers, agents and canvassers. BIND YOUR MAGAZINES Old Books, Music and Magazines. Put them in strong new covers for preservation. Many records of value can be saved by having them bound. The "News" bindery can do the work in any

TRADING WAS VERY HEAVY

Movement of Prices Was Confused And Irregular.

SOUTHERN RAILWAY BOUGHT

Selling to Realize Caused List to Fall Under Yesterday's Close-Closing Active and Easy.

New York, July 19 .- Opening dealngs showed very heavy trading and a confused and irregular movement of prices. Three successive transactions in Southern railway amounted to 10,-000 shares. Southern Pacific opened 4 higher on running sales of 2,000 shares. Selling to realize caused a downward course of prices and the list fell well under yesterday's close. Chesapeake & Ohio was the most affected, losing 14, and St. Paul, Southern railway, Norfolk & Western, New York Central and Chicago & Alton lost large fractions. Pennsylvania continued conspicuously strong and crossed 159, causing a rally in the ohter soft coal stocks and in New York Central. Pennsylvania reacted nearly a point and the market became dull and hesitating until the bank statement appeared. Penn-sylvania then rose to 100%; W. U. advanced 24; Hocking Valley 2, and Great Northern pfd. a point.

Realizing was renewed on the advance, and the closing was active and

BANK STATEMENT.

New York, July 19.-The weekly statement of averages of the associat-

-		
-	Loans	\$903,327,300
8	Decrease	3,448,900
_	Deposits	940,692,900
S t	Decrease	1,505,100
t	Circulation	31,809,600
	Increase	32,400
	Legal tenders	77,713,800
	Increase	444,600
-	Specie	173,168,700
	Increase	2,661,500
	Reserve	250,882,501
	Increase	3,106,100
а	Reserve required	235,173,225
•	Surrling	
9	Surplus	3,482,375
	Increase	0,100,010
	Bank Clearings.	

Bank clearings throughout the United States and Canada for the week end-ing Friday, July 18, 1902, were:

Outside N. Y...... 829,748,995 4.9 Totals, Canada... 43,893,924 7.3 MONEY AND BONDS. Money on call steady at 31/2 per cent.

Prime mercantilep paer 4½05 per cent. Sterling exchange steady with actual business in bankers' bill at 4.87% for de-mand and at 4.85% 0.4.85% for 60 days; posted rates, 4.86% and 4.88% @4.89; comrelal bills, 4.84%4.84%. Bar silver, 52%

Mexican dollars, 41½, Government bonds steady; refunding reg., 107%; do coupon, 107%; 3s r do coupon, 106%; new 4s reg., do coupon, 133%; old 4s reg., do coupon, 108%; 5s reg., 103%;

State bonds, inactive. Railroad bonds, steady, SUGAR.

Sugar—Raw, raw; fair refining, steady; centrifugal, 96 test, 2 13-16; mo-lasses sugar, 3 5-16; refined, 25%; crushed, steady; powdered, 5.15; granu-Coffee-465; No. 7 Rio, quiet; molasses, 314.

LIVE STOCK.

CHICAGO.

Chicago, July 19 .- Cattle-Receipts. ,000, including 500 Texans. Steady Good to prime steers, 7.75@8.75; poor to medium, 4.50@7.50; stockers and feed ers, 2.50@5.25; cows, 1.50@5.75; helfers 2.25@6.25; canners, 1.50@2.50; bulls, 2.25 @5.00:calves, 2.50@6.50; Texas fed steers,

Hogs—Receipts today, 7,000; Monday, 27,000; left over, 6,000; steady, 5c lower; nuxed and butchers, 7,30@8.15; good to choice heavy, 7.85@8.22½; rough heavy, 7,35@7.75; light, 7,00@7.85; bulk of sales, 7,70@8.05.

Sheep-Receipts, 1,000; sheep steady; lambs steady; good to choice wether: 4.00@4.75; fair to choice mixed, 2.75% 3.75; western sheep, 2.50@4.60; nativ lambs, 3.00@6.50.

KANSAS CITY.

Kansas City, July 19.-Cattle-Recelpts, 200; unchanged; native steers, 5.85@8.25; Texas and Indian steers, 2.00 24.20; Texas cows, 2.35@3.00; native cowsand heifers, 1.25@4.10; stockers and feeders, 2.00@5.20; bulls, 3.00@3.60; rom the Bear River valley to the Lehi

Carves, 3.00024.59.
Hogs-Receipts, 2.000; market steady, 5c lower; bulk of sales, 7.60@7.85; heavy, 7.874@8.00; packers, 7.80@7.874; medium, 7.70@7.85; light, 7.35@7.80; yorpers, 7.70@7.80; pigs, 7.10@7.50. Sheep—Market normal; muttons, 3.40 @4.50; lambs, 4.40@6.25; range wethers, 3.35@4.60; ewes, 3.40@4.55.

OMAHA.

South Omaha, July 19.—Cattle—Recipts, 900: market steady: native teers, 4.50@8.30; cows and heifers, 3.00 @5.25: western steers, 4.40@6.00: Texas steers, 4.25@5.40; canners, 1.75@2.75; stockers and feeders, 2.75@5.00; calves, .00@5.00; bulls, stags . etc., 2.25@4.25; Hogs—Receipts, 7,800; market weak o 5c lower; heavy 7.70@7.90; mixed, 7.60 @7.75; light, 7.50@7.70; pigs, 6.50@7.25 bulk of sales, 7.50@7.70. Sheep-Receipts, 9,660; market steady ed muttons, yearlings, 3.65@4.25; ethers, 3.25@4.15; ewes,2.00@3.10; com-non and stockers, 1.75@3.25; lambs, 3.50

DENVER.

Denver, July 19.—Cattle-Receipts 550. Reef steers 4.00@5.50; cows 50@4.00; stockers and feeders, freight aid to river, 3.75@4.75; stockers 4.00@ 00; bulls, stags, etc., 1.50@3.50. Hogs-Receipts 150. Steady; light packers 7.60@7.70; mixed and heavy Sheep—Receipts 2,000. Steady; good fat muttons 2,5@3.50; lambs 4,00@5.00.

PRODUCE CHICAGO.

Chicago, July 19.—Close—Wheat— July, 76½; Sept., 72½@72%; Dec., 72½; May, 74%. Corn-July, 67%; Sept., 70%. Oats-July, 51; new, 64%; Sept., 71%;

Pork—July, 18.25; Sept., 18.37½, Lard—July, 10.82½; Sept., 10.90, Ribs—July, 10.67½; Sept., 10.75. Flax—Cash, N. W., 1.53, Ryc—61. Barley—69@73.

red, 73@74; No. 2 hard winter, 74; No. 3 hard winter, 73; No. 1 northern spring, 78½; No. 2 spring, 77; No. 3 spring, 70@

Corn-No. 2, 65%@66; No. 3, 64%. Oats-No. 2, 55; No. 3, 50.

NEW YORK. New York, July 19.—Wheat—Receipts 89,95 bushels. Firm and higher on rains west, higher Paris cables, cov-

ering and sympathy with coarse grains. September 77 1-16@77 15-16; December 77%@78 3-16; May 79%@80¼. SAN FRANCISCO.

San Francisco, July 19.—Wheat-steady, Spot steady, 1.13% @1.15. Corn-Large yellow, steady, 1,45@1.50. Barley-Strong, cash, 93%. LIVERPOOL.

Liverpool, July 19.—Close: Wheat-September 6s 1½d; December 6s 1½d.

WOOL ST. LOUIS.

St. Louis, July 19 .- Wool unchanged Territory and western mediums, 141/2 @ 161/2; fine, 11@151/2; coarse, 11@141/2.

BUTTER AND FGGS. New York, July 19.-Butter-Receipts 7,800 packages, firm; June creamery imitation, 17@19; factory, 16@18. Eggs-Receipts, 3,600 packages, steady; state and Penna., 20@20%; TRADE OUTLOOK

ENCOURAGING. The Settlement of Labor Contro-

THE FINANCIAL CONDITIONS

yersies Improves Matters.

They Are Sound - Preparations for Unusually Heavy Fall Trade Being Made.

New York, July 18 .- R. G. Dun and Company's weekly review of trade tomerrow will say: "Settlement of numerous labor controversies and prospect of early agreements as to other struggles have greatly improved the industrial outlook, while agricultural conditions' steadily improve. As these have been the only unfavorable influences for some months, the prospects for active trade are decidedly encouraging. Preparations for unusually heavy falls are being made, and confidence grows stronger,

"Financial conditions are sound, the mid-year dividend distribution producing no stringency, and speculation has teen heavy for the season, both in securities and staples. Pig iron contin-ves to command full prices, supplies falling below requirements, and fur-nace deliveries falling to fill contracts. "Crop prospects have continued favorable, and with the removal of specuiative interest, there was a gradual de-

cline in prices. "Failures for the week numbered 213 in the United States against 193 last year and 20 in Canada against 32 last

MOVABLE IRRIGATION WORKS

Whether water for irrigation be taken from a river, pumped by windmill or electric power, or derived from a spouting artesian well, the water may e said to be permanent and station, ary. A comparatively novel scheme is eported from Beeville, Tex. A steam coller, furnace and pump, designed for rather heavy service, have been mounted on broad tired vices, so that they can be hauled from place to place. The entire machinery was made on special specification got up by Dr. Simmons, his intention being to run the machinery down to the water's edge and do the pumping and then have it hauled out above high water whenever trise comes down the river. He is preparing to irrigate about four thousand acres of fine Nueces River bottom which for fertility is not excelled on the continent, and on this will raise orincipally forage crops for his cattle.
If the plan works out successfully.

operative manner, a single pumping plant furnishing water for several diferent farms .- N. Y. Tribune Farmer,

uch plants could not be run in a co

SCIENTIFIC MISCELLANY. In his experiments of the last four years, M. Ed. Fouche has found no beter solent for acetylene than acetone This liquid does not boil below 133 degrees F., and, at atmospheric pressure and a temperature of 59 degrees, one olume absorbs 24 volumes of acetylene Water is carefully excluded. The solu-tion is not explosive until the pressure of dissolved gas reaches 140 pounds per square inch, but at double this pressure the whole mass can be detonated. For safety the liquid is absorbed by special porous bricks carried in steel cylinders. These cylinders have a water capacity of .071 to 3.53 cubic feet, and hold 100 times these volumes of acetylene at the standard pressure of 142 pounds. ncandescent burners, a light of 475 can-lle power is obtained from .01 cubic foot of acetylene per hour, which is about one-fiftieth the volume per can-dle hour of the ordinary compressed

gas used in lighting cars. The theory that a solid may be cooled to absolute zero by pressure is interesting at least. Brinkworth and Martin have attempted to prove it to be possible if heat is really due to molecular motion, and suppose that com-pression in an infinitely strong and unyielding cylinder would gradually force the molecules together until they could not move. The tremendous pres-sure necessary makes the exeriment impracticable unless at a low starting temperature.

The thought of space, compared with which our immeasurable sidereal sys-tem dwindles to a point, is too overwhelming to be dwelt upon, is one of Herbert Spencer's latest reflections. Of late years the consciousness that without origin or cause infinite space has ever existed, and must ever exist produces in me a feeling from which

A bright-colored card is now supplied as a rest and invigorator for the eyes An occasional glance at it is claimed to refresh and invigorate weary eye in an effectual and scientific manner, Sleep is produced by the action substances generated in the body during work, state Dr. J. H. Kellogg. Experiment some years ago showed that a rabbit would fall asleep when injected with the urinary secretion of a fired laborer, but that only a spass was produced by the night secretion of the same man. The products of the body laboratory of the idler, instead of soothing, poison and irritate, giving Timothy—Sept., 4.30. Clover, cash, 9.25. Tise to sleeplessness. There are other Cash—Wheat—No. 2 red, 78½; No. 2 sleep-producing substances, but the

Tempting Prices on Footwear.

Monday Commences the LAST WEEK of our

BLOCKADE SHOE SALE

We have especially prepared a tempt ing feast of values to make this last week of our sale a most memorable event of price cutting, IT'S A GOLDEN OPPORTUNITY YOU CAN'T AFFORD TO MISS.

Hundreds of pairs of Oxfords have

\$1.00 Special. We can fit any foot in this lot; foot-

Misses' Sandals, 95 cts. A delayed shipment of these have just reached us. Patent Leather

vamps, hand turned soles, made to sell at \$1.75, all sizes, 11½ to 2. \$3.50 and \$4.00 SHOES, OXFORDS, and COLONIALS, for Street and Dress wear, all styles and sizes go this week

We close at 6 p. m. except Saturdays

sleep from bromide of potash, opium, alcohol, chloroform or ether is not of the most restful kind, and there are after-effects. Nature's own sleep-pro ducer is within the reach of all. person in health can get two or three hours of out-door activity before going to bed, and the partially disabled can perform hard work by extending the arms at full length for two minutes or keeping all the muscles rigid for five minutes. The bed-ridden invalid can get the benefits of good exercise from many movements of head, limbs and trunk,

The new type of steamship of Herr J. Brohan, of Hamburg, is equipped with four propellers. The vessel is flat bottomed, with a short keel in the center and two false keels forward, and one propeller is placed between the forward keels, another just before the rudder, and the two others at the stern It is claimed that such a steamer, 30 feet long would make the trip from Havre to New York in four days. Day messages by wireless telegraphy require much greater transmitting power than night messages. Day sig-

nals utterly failed to reach Marconi at 760 miles, although a night message

was successfully sent more than 1,550 miles and a night signal more than

2,000 miles. It is supposed that sun-shine exerts a diselectrifying influence upon the aerial wires. Sunlight has been believed to contain electromagnetic waves. A test by M. Charles Nordmann at a height of 9,570 feet has proven that the sun emits no such waves that can traverse a wir and affect a coherer, or that the waves are absorbed by the sun's atmosphere or the upper atmosphere of

That memories are laid down in strata is the novel theory evolved by Dr. C. A. Mercier from cases of senile insanity. Though quite forgetful of relong-past events in correct order, and even lives again amid scenes that had passed utterly out of recollection be-fore the disease appeared. A case recorded by Coleridge confirms the the-ory. While in the delirium of fever, an illiterate maid servant recited from Greek and Hebrew for hours, but in health she knew no word of either lan-guage, her ravings being due to the exciting of brain-impressions left readings of a learned pastor that had been heard many years before. Even morestriking is the case of a woman of seventy, delirious from pleuro-pneumonia, lately brought to notice by Dr Henry Freeborn. In her early delir-ium she repeated poetry in a strange language that was recognized as Hindustani, but in the next two days she lived over in regular order most of the experiences of her life, talking to imag-inary friends in English, French and German. The patient, it was found, had known only Hindustani up to the age of four, although she had after-

ward forgotten even that she ever While greatly improving the potato, the Germans have so increased the crop that new ways of disposing of it have had to be sought. They now feed about two-fifths to farm animals, and the alcohol makers are striving to increase the demand for their product. So much of the potatoes is water that 3% tons The dried potatoes keep so much longer and are so much more readily transported that those interested in the in-dustry feel justified in offering 30,000 marks as a prize for the best process

of drying. Various objects usually invisible may e seen under unusual conditions. The flight of a cannon ball may be viewed by an observer favorably placed for sighting along its course, and the seabottom along coasts can be studied by persons in balloons. It was while trying to learn whether submarine ves-sels can be seen from a captive balloon as far away as a mile or two that a French officer lately fell into the sea and was drowned, leaving this secret yet to be revealed.

The radio-activity of uranium salts s found by H. Becquerel to be substan-tially the same at the cold of liquid of as at ordinary temperatures up t degrees. When uranium nitrate o platinocyanide is plunged into liquid ir. or liquid hydrogen, it becomes luninous, as it does again on being retored to the ordinary temperature, the uminosity being seen only during the neating or cooling. The immersed crystal also emits a luminescence as it im-pinges on the glass of the vessel. The inges on the glass of the phenomena are supposed to 1 electrical effects, and due to compressions and cleavages in the crystal.

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